Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/18/2018 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124997	-1	1.98	125035	1.96
Blue	F	SSC	125000	123821	-1	2.17	124424	2.15
Blue	E	FITC	15760	15293	-3	3.05	329	22.81
Blue	D	PE	25880	25348	-3	2.14	549	17.11
Blue	B	PerCP-Cy5-5	34075	33793	-1	4.30	1032	22.25
Blue	A	PE-Cy7	22776	23210	1	7.44	559	45.19
Red	C	APC	42488	41780	-2	2.68	1578	13.12
Red	A	APC-Cy7	24478	23972	-3	2.76	828	12.82
Violet	B	V450	6304	6069	-4	4.22	359	17.21
Violet	A	V500	26005	25081	-4	3.87	593	13.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20738	8.60	608	11	N/A	N/A	Pass
Blue	F	SSC	56520	1.60	572	17	N/A	N/A	Pass
Blue	E	FITC	57	75.94	561	5	0.0153	199	Pass
Blue	D	PE	114	58.57	555	6	0.1207	280	Pass
Blue	B	PerCP-Cy5-5	198	55.73	653	6	0.0079	137	Pass
Blue	A	PE-Cy7	109	110.24	707	10	0.0091	22	Pass
Red	C	APC	374	27.39	599	-1	0.0205	120	Pass
Red	A	APC-Cy7	204	27.74	568	-3	0.0047	729	Pass
Violet	B	V450	62	71.30	493	4	0.0251	2067	Pass
Violet	A	V500	89	45.74	510	4	0.0128	1079	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/18/2018 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.12	0.95
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	18.12	13.60 - 20.40	N/A	N/A	30.96	31.51	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12987

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments